

EXPRESSION OF BIOLOGICALLY ACTIVE POLYPEPTIDES IN DUCKWEED

ABSTRACT OF THE DISCLOSURE

- 5        Methods, nucleic acid sequences, and transformed duckweed plant or duckweed  
nodule cultures for the expression and the secretion of biologically active polypeptides  
from genetically engineered duckweed are provided. Expression of recombinant  
polypeptides in duckweed is improved by modifying the nucleotide sequence of the  
expression cassette encoding the polypeptide for improved expression in duckweed.
- 10      Recovery of biologically active polypeptides from duckweed is improved by linking the  
biologically active polypeptide to a signal peptide that directs the secretion of the  
polypeptide into the culture medium.